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 PTO/SB/21 (05-04)
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	Application Number	10/532,547	
	Filing Date	4/22/2005	
	First Named Inventor	Plowman	
	Art Unit		
	Examiner Name		
Total Number of Pages in This Submission	295	Attorney Docket Number	EX03-075C-US

ENCLOSURES (check all that apply)		
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Signature			
Printed Name	Laleh Shayesteh		
Date	August 4, 2005	Reg. No.	47,937

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of Plowman *et al.*

Application No.: 10/532,547

Filed: April 22, 2005

For: MBMS AS MODIFIERS OF
BRANCHING MORPHOGENESIS
AND METHODS OF USE

Confirmation No.: 6196

Art Unit: Not Assigned

Examiner: Not Assigned

Attorney Docket No.: EX03-075C-US

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In accordance with 37 C.F.R. §1.56, this Information Disclosure Statement is being submitted for the above-referenced application.

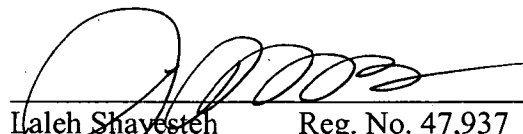
In accordance with 37 C.F.R. §1.97 (g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined by 37 C.F.R. §1.56 exists.

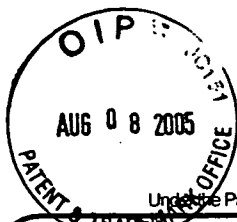
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The Commissioner is hereby authorized to charge any required fees, if necessary, to Deposit No. 50-1108.

Respectfully submitted,

Dated: August 4, 2005


Laleh Shayesteh Reg. No. 47,937
Tel: (650) 837-8223; Fax: (650) 837-8234



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STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 6

Complete if Known

Application Number	10/532,547
Filing Date	4/22/2005
First Named Inventor	Plowman
Art Unit	
Examiner Name	
Attorney Docket Number	EX03-075C-US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	NCBI Annotation Project. Homo sapiens calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma (CAMK2G), mRNA. GI:22051042. 01-AUG-2002	
	2	Xie,S., et al. Homo sapiens polo-like kinase 3 (Drosophila) (PLK3), mRNA. GI:4758015 30-JAN-2004	
	3	Strausberg,R.L., et al Homo sapiens phosphatidylinositol-4-phosphate 5-kinase, type II, gamma (PIP5K2C), mRNA. GI:21322229 07-SEP-2003	
	4	Sagara,N., et al Homo sapiens frizzled homolog 7 (Drosophila) (FZD7), mRNA. GI:4503832 22-APR-2005	
	5	Li,J., et al, Homo sapiens glycogen synthase kinase 3 beta (GSK3B), mRNA. GI:21361339 26-JUL-2005	
	6	Nupponen NN et al Homo sapiens homeodomain-interacting protein kinase 3 (HIPK3), mRNA. GI:11386208 28-NOV-2000	
	7	Price,V.E., et al. Homo sapiens v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), mRNA. GI:4557694 01-AUG-2005.	
	8	Pastore,S., et al. Homo sapiens mitogen-activated protein kinase 1 (MAPK1), transcript variant 1, mRNA. GI:20986528 23-MAY-2005	
	9	Li,B.S., et al. Homo sapiens mitogen-activated protein kinase 10 (MAPK10), transcript variant 1, mRNA. GI:20986504 22-APR-2005	
	10	NCBI Annotation Project. Homo sapiens similar to Mitogen-activated protein kinase 6 (Extracellular signal-regulated kinase 3) (ERK-3) (MAP kinase isoform p97) (p97-MAPK) (LOC160848), mRNA. GI:18581345 01-AUG-2002	
	11	Rai,R., et al. Homo sapiens mitogen-activated protein kinase 6 (MAPK6), mRNA. GI:16306569 14-MAY-2005	

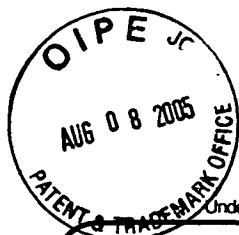
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	12	Robinson,M.J. et al. Homo sapiens mitogen-activated protein kinase 4 (MAPK4), mRNA. GI:6715608 29-JUN-2005	
	13	Lu,K.P. et al. Homo sapiens NIMA (never in mitosis gene a)-related kinase 4 (NEK4), mRNA. GI:4507276 22-APR-2005	
	14	Liu,Y., et al. Homo sapiens neurotrophic tyrosine kinase, receptor, type 2 (NTRK2), mRNA. GI:21361305 23-AUG-2004	
	15	Razeghi,P., et al. Homo sapiens pyruvate dehydrogenase kinase, isoenzyme 4 (PDK4), mRNA. GI:4505692 07-APR-2003	
	16	Liu,F., et al. Homo sapiens membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase (PKMYT1), mRNA. GI:21361082 06-APR-2003	
	17	Higuchi,H., et al. Homo sapiens protein kinase, cAMP-dependent, catalytic, beta (PRKACB), transcript variant 2, mRNA. GI:4506056 23-DEC-2003	
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	20	Shibukawa,Y., Homo sapiens protein kinase C, delta (PRKCD), mRNA. GI:5453969 07-APR-2003	
	21	Rohwer,A., et al. Homo sapiens PTK9L protein tyrosine kinase 9-like (A6-related protein) (PTK9L), mRNA. GI:6005845 07-APR-2003	
	22	Beeler,J.F., et al. Homo sapiens PTK9 protein tyrosine kinase 9 (PTK9), mRNA. GI:4506274 07-APR-2003	

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Date

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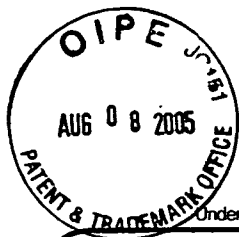
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Sheet 3 of 6

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Application Number 10/532,547

Filing Date 4/22/2005

First Named Inventor Plowman

Art Unit

Examiner Name

Attorney Docket Number EX03-075C-US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	23	Akula,S.M., et al. Homo sapiens v-raf-1 murine leukemia viral oncogene homolog 1 (RAF1), mRNA. GI:4506400 23-AUG-2004	
	24	Huang,C.Y., et al. Homo sapiens serine/threonine kinase 24 (STE20 homolog, yeast) (STK24), mRNA. GI:20070157 11-JUN-2005	
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	26	NCBI Annotation Project. Homo sapiens serine/threonine kinase 38 like (STK38L), mRNA. GI:22058228 01-AUG-2002	
	27	Tripodis,N., et al. Homo sapiens serine/threonine kinase 38 (STK38), mRNA. GI:6005813 08-APR-2003	
	28	NCBI Annotation Project. Homo sapiens similar to tousled-like kinase 2 (Arabidopsis);protein kinase U-alpha; Tousled-like kinase (Arabidopsis) (LOC220231), mRNA. GI:22052588 01-AUG-2002	
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	32	Nghiem,P., et al. Ca2+/calmodulin-dependent protein kinase (EC 2.7.1.123) II gamma chain, splice form B - human. GI:422769 01-DEC-2000	
	33	Xie,S., et al. polo-like kinase 3; cytokine-inducible kinase; proliferation-related kinase; FGF-inducible kinase [Homo sapiens]. GI:4758016 30-JAN-2004	

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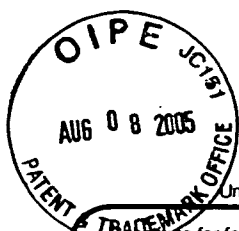
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	35	Sagara, N., et al. frizzled 7 [Homo sapiens]. GI:4503833 22-APR-2005	
	36	Lau KF, et al. glycogen synthase kinase 3 beta [Homo sapiens]. GI:4504163 31-OCT-2000	
	37	Nupponen NN et al. homeodomain-interacting protein kinase 3 [Homo sapiens]. GI:11386209 28-NOV-2000	
	38	Price, V.E., et al. v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog precursor [Homo sapiens]. GI:4557695 01-AUG-2005	
	39	Li, L., et al. mitogen-activated protein kinase 1; protein kinase, mitogen-activated 1 (MAP kinase 1; p40, p41); p41mapk [Homo sapiens]. GI:4506087 31-OCT-2000	
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	41	NCBI Annotation Project. similar to Mitogen-activated protein kinase 6 (Extracellular signal-regulated kinase 3) (ERK-3) (MAP kinase isoform p97) (p97-MAPK) [Homo sapiens]. GI:18581346 01-AUG-2002	
	42	Rai, R., et al. mitogen-activated protein kinase 6 [Homo sapiens]. GI:4506091 14-MAY-2005	
	43	Robinson, M.J. et al. mitogen-activated protein kinase 4 [Homo sapiens]. GI:4506089 29-JUN-2005	
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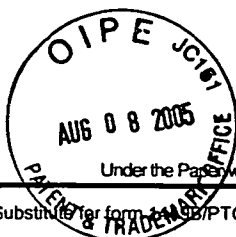
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Sheet 5 of 6

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First Named Inventor Plowman

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	46	Savkur,R.S., et al. pyruvate dehydrogenase kinase, isoenzyme 4 [Homo sapiens]. GI:4505693 23-APR-2005	
	47	Liu,F., et al. membrane-associated tyrosine- and threonine-specific cdc2-inhibi [Homo sapiens]. GI:4758928 14-MAY-2002	
	48	Hanamoto,T., et al. cAMP-dependent protein kinase catalytic subunit beta isoform 2 [Homo sapiens]. GI:4506057 29-JUN-2005	
	49	Martin,M.C., et al. cAMP-dependent protein kinase catalytic subunit alpha isoform 1 [Homo sapiens]. GI:4506055 14-JUN-2005	
	50	Smith,J.M., et al. protein kinase C, alpha [Homo sapiens]. GI:4506067 27-JUL-2005	
	51	Shibukawa,Y., et al. protein kinase C, delta [Homo sapiens]. GI:5453970 07-APR-2003	
	52	Rohwer,A., et al. twinfilin-like protein [Homo sapiens]. GI:6005846 14-MAY-2005	
	53	Ojala,P.J., et al. PTK9 protein tyrosine kinase 9; protein tyrosine kinase 9 [Homo sapiens]. GI:4506275 05-OCT-2003	
	54	Mukherjee,R., et al. v-raf-1 murine leukemia viral oncogene homolog 1 [Homo sapiens]. GI:4506401 26-JUL-2005	
	55	Zhou,T.H., et al. serine/threonine kinase 24 (STE20 homolog, yeast); serine/threonine kinase 24 (Ste20, yeast homolog); STE20-like kinase 3 [Homo sapiens]. GI:4505261 19-DEC-2001	

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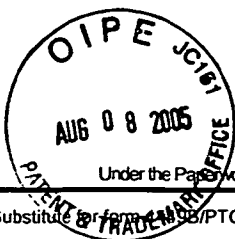
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	56	Osada,S., et al. serine/threonine kinase 25 (Ste20, yeast homolog); sterile 20 (oxidant stress response kinase 1; yeast Sps1/Ste20-related kinase1) [Homo sapiens]. GI:5454174 19-DEC-2001	
	57	Nagase,T., et al. KIAA0965 protein [Homo sapiens]. GI:4589574 16-JUN-1999	
	58	Devroe,E., et al. serine/threonine kinase 38 [Homo sapiens]. GI:6005814 23-APR-2005	
	59	NCBI Annotation Project. similar to tousled-like kinase 2 (Arabidopsis); protein kinase U-alpha; Tousled-like kinase (Arabidopsis) [Homo sapiens]. GI:22052589 01-AUG-2002	
	60	Sillje,H.H., et al. tousled-like kinase 2; serine/threonine kinase; tousled-like kinase [Homo sapiens]. GI:11140819 03-FEB-2004	
	61	Yoshizawa-Sugata,N., et al. CDC7 cell division cycle 7 [Homo sapiens]. GI:4502715 11-JUN-2005	
	62	Stevanin,G., et al. protein kinase, cAMP-dependent, catalytic, gamma [Homo sapiens]. GI:15619015 23-APR-2005	

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